

I claim

1. A light source structure of light emitting diode, comprising:

an electrical circuit substrate having electrical circuits thereon;

a red light LED chip installed on the electrical circuit substrate, the red

5 light LED chip being electrically connected to part of the electrical circuits;

a green light LED chip installed on the electrical circuit substrate, the

green light LED chip being electrically connected to part of the electrical
circuits;

a blue light LED chip installed on the electrical circuit substrate, the blue

10 light LED chip being electrically connected to a part of the electrical circuits;

a controlling integral circuit chip installed on the electrical circuit

substrate, the controlling integral circuit chip being electrically connected to
part of the electrical circuits, and the controlling integral circuit chip being
electrically connected to predetermined LED chips of the red light LED chip,

15 the green light LED chip, and the blue light LED chip; and

a certain shape of packaging material to package chips of the red light
LED chip, the green light LED chip, the blue light LED chip and the
controlling integral circuit chip, the packaging material packaging the
predetermined chips into one body.

20

2. The light source structure of the light emitting diode as claimed in claim

1, wherein the controlling integral circuit chip has about 5 to 9 electrical
connection nodes.

3. The light source structure of the light emitting diode as claimed in claim 2, wherein the controlling integral circuit chip has about 7 electrical connection nodes.

5 4. The light source structure of the light emitting diode as claimed in claim 1, wherein the light source structure of the light emitting diode has a package with about 2 to 8 electrical connection locations.

10 5. The light source structure of the light emitting diode as claimed in claim 4, wherein the light source structure of the light emitting diode has a package with about 4 electrical connection locations.

15 6. The light source structure of the light emitting diode as claimed in claim 5, wherein the package of light source structure of the light emitting diode has 4 electrical connection locations, including a power actuation location, a control signal location, a grounding location, and a function reserving location, each of the 4 electrical connection locations connecting to a part of the electrical circuits.

20 7. The light source structure of the light emitting diode as claimed in claim 4, wherein the package with about 2 to 8 electrical connection locations conforms to surface mount technology (SMT) to be installed on a printed circuit board.

8. The light source structure of the light emitting diode as claimed in claim 6, wherein the controlling integral circuit chip receive the control signal from the control signal location to modulate the color temperature of all the LED chips in the package, comprising the red light LED chip, the green light LED chip, and the blue light LED chip.

9. The light source structure of the light emitting diode as claimed in claim 6, wherein the function reserving location is electrically connected to an outer photo diode.

10

15